

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	62	(rotatable same (target or cathode or electrode)) and (ceramic with bearing) and vacuum	US-PGPUB; USPAT	ADJ	ON	2007/11/28 21:07
L2	50	(rotatable with (target or cathode or electrode)) and (ceramic with bearing) and vacuum	US-PGPUB; USPAT	ADJ	ON	2007/11/28 21:07
S1	1	"204".clas. and (vacuum chamber) and (power coupler) and seal and (rotatable tube)	US-PGPUB; USPAT	ADJ	ON	2007/03/29 17:23
S2	1	"204".clas. and (vacuum chamber) and (power coupler) and seal	US-PGPUB; USPAT	ADJ	ON	2007/03/29 17:23
S3	1	"204".clas. and (vacuum chamber) and (power coupler)	US-PGPUB; USPAT	ADJ	ON	2007/03/29 17:23
S4	830	"204".clas. and (vacuum chamber) and ((power source) or power) and seal	US-PGPUB; USPAT	ADJ	ON	2007/04/04 16:16
S5	1	"204".clas. and (vacuum chamber) and ((power source) or power) and seal and (rotatable tube)	US-PGPUB; USPAT	ADJ	ON	2007/03/29 17:24
S6	410	"204".clas. and (vacuum chamber) and ((power source) or power) and seal and drive	US-PGPUB; USPAT	ADJ	ON	2007/04/05 14:54
S7	271	"204".clas. and (vacuum chamber) and ((power source) or power) and seal and drive and current	US-PGPUB; USPAT	ADJ	ON	2007/03/29 17:25
S8	12	((("4933064") or ("5053244") or ("4767641") or ("4987346") or ("4939424") or ("5399254") or ("5113790") or ("5296784") or ("5378284") or ("5294464") or ("5173640") or ("5006219"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/04 15:30
S9	0	204/298.280.ccls. and (vacuum chamber) and ((power source) or power) and seal	US-PGPUB; USPAT	ADJ	ON	2007/04/04 16:46
S10	30	(vacuum chamber) and ((power source) or power) and seal	EPO; JPO	ADJ	ON	2007/04/04 16:46
S11	264	"204".clas. and (vacuum chamber) and (rotate or rotation or rotatable) and (shaft or pole or rod) and seal and (drive or motor) and (bearing or nut or bolt)	US-PGPUB; USPAT	ADJ	ON	2007/04/04 17:07

## EAST Search History

S13	30	(("521,638") or ("4,356,073") or ("4,407,713") or ("4,417,968") or ("4,422,916") or ("4,443,318") or ("4,445,997") or ("4,466,877") or ("4,519,885") or ("4,904,362") or ("4,927,515") or ("5,047,131") or ("5,096,562") or ("5,100,527") or ("5,106,474") or ("5,108,574") or ("5,156,727") or ("5,158,660") or ("5,171,411") or ("5,200,049") or ("5,213,672") or ("5,262,032") or ("5,338,422") or ("5,354,446") or ("5,364,518") or ("5,384,021") or ("5,445,721") or ("5,464,518") or ("5,470,452") or ("5,487,821") or ("5,518,592")).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/05 11:21
S15	5	(("20010047936") or ("20020029959") or ("20020092766") or ("20020189939") or ("20030136672")).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/05 11:22
S16	18	(("5,527,439") or ("5,539,272") or ("5,558,750") or ("5,563,734") or ("5,567,289") or ("5,571,393") or ("5,591,314") or ("5,616,225") or ("5,620,577") or ("5,645,699") or ("5,683,558") or ("5,688,388") or ("5,725,746") or ("5,814,195") or ("5,968,328") or ("6,365,010") or ("6,375,815") or ("6,475,354")).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/05 11:23

## EAST Search History

S19	2	((("10004787A1") or ("10063383C1") or ("10213043A1") or ("10213049A1") or ("19610253C2") or ("19623359A1") or ("19651378A1") or ("19953470A1") or ("3229969A1") or ("4117367C2") or ("4117368A1") or ("4117518C2") or ("4126236C2") or ("4342766A1") or ("4418906A1") or ("740710B1") or ("969238A1") or ("1097766A1") or ("1179515A1") or ("1179516A1") or ("1186682A2") or ("1251547A1") or ("1365436A2") or ("300995B1") or ("502068B1") or ("537011B1") or ("537012A1") or ("586809B1") or ("589599B1") or ("638659A3") or ("703599B1") or ("724025B1") or ("2745010") or ("P2003-183823A") or ("0000766"))).PN.	EPO; JPO; DERWENT	OR	OFF	2007/04/05 11:25
S20	0	"204".clas. and (vacuum chamber) and bearing with material with (ceramic balls) with (ceramic needles) and cylindrical	US-PGPUB; USPAT	ADJ	ON	2007/04/05 15:03
S21	0	"204".clas. and (vacuum chamber) and bearing with material with (ceramic balls) with (ceramic needles)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 14:55
S22	18	((("5,527,439") or ("5,539,272") or ("5,558,750") or ("5,563,734") or ("5,567,289") or ("5,571,393") or ("5,591,314") or ("5,616,225") or ("5,620,577") or ("5,645,699") or ("5,683,558") or ("5,688,388") or ("5,725,746") or ("5,814,195") or ("5,968,328") or ("6,365,010") or ("6,375,815") or ("6,475,354"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/05 14:59
S23	5	((("20010047936") or ("20020029959") or ("20020092766") or ("20020189939") or ("20030136672"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/05 15:03
S24	0	"204".clas. and (vacuum chamber) and bearing with (ceramic balls) with (ceramic needles) and cylindrical	US-PGPUB; USPAT	ADJ	ON	2007/04/05 15:03

## EAST Search History

S25	0	"204".clas. and bearing with (ceramic balls) with (ceramic needles) and cylindrical	US-PGPUB; USPAT	ADJ	ON	2007/04/05 15:04
S26	209	"204".clas. and bearing with (composed or composition or comprising or containing) and sputtering	US-PGPUB; USPAT	ADJ	ON	2007/04/05 15:05
S27	103	"204".clas. and bearing with (composed or composition or comprising or containing) and sputtering and cylindrical	US-PGPUB; USPAT	ADJ	ON	2007/04/05 15:05
S28	15	"204".clas. and bearing with (composed or composition or comprising or containing) and sputtering and (cylindrical with magnetron)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 16:12
S29	8	"204".clas. and bearing with ceramic and sputtering and (cylindrical with magnetron)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 16:15
S30	0	"204".clas. and bearing with ceramic and Mp35N and sputtering and (cylindrical with magnetron)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 16:15
S31	0	"204".clas. and bearing with Mp35N and sputtering and (cylindrical with magnetron)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 16:16
S32	0	"204".clas. and bearing with (cobalt alloy) and sputtering and (cylindrical with magnetron)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 16:16
S33	0	"204".clas. and bearing with cobalt and sputtering and (cylindrical with magnetron)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 16:30
S34	2	((liquid metal) or liquid-metal) and bearing with mp35n	US-PGPUB; USPAT	ADJ	ON	2007/04/05 16:31
S41	0	"204".clas. and bearing with mercury and sputtering and (cylindrical with magnetron)	US-PGPUB; USPAT	ADJ	ON	2007/04/09 09:43
S42	0	"204".clas. and bearing with (mercury or Hg) and sputtering and (cylindrical with magnetron)	US-PGPUB; USPAT	ADJ	ON	2007/04/09 09:44
S43	1	jp-01305523-\$.did.	JPO	ADJ	ON	2007/04/09 14:12
S44	2	jp-01305523-\$.did.	JPO; DERWENT	ADJ	ON	2007/04/09 14:12
S45	1	("4115283").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/16 10:02
S46	9277	bearing and (chromium or Cr) and (nickel or Ni) and (molybdenum or Mo) and (cobalt or Co)	US-PGPUB; USPAT	ADJ	ON	2007/04/16 11:37

## EAST Search History

S47	3601	bearing and (chromium or Cr) with (nickel or Ni) with (molybdenum or Mo) with (cobalt or Co)	US-PGPUB; USPAT	ADJ	ON	2007/04/16 11:37
S48	73	bearing and (chromium or Cr) with (nickel or Ni) with (molybdenum or Mo) with (cobalt or Co) and "204".clas.	US-PGPUB; USPAT	ADJ	ON	2007/04/16 10:57
S49	5	bearing same ((chromium or Cr) with (nickel or Ni) with (molybdenum or Mo) with (cobalt or Co)) and "204".clas.	US-PGPUB; USPAT	ADJ	ON	2007/04/16 11:01
S50	1	("6423419").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/16 11:01
S51	465	bearing and (chromium or Cr) and (nickel or Ni) and (molybdenum or Mo) and (cobalt or Co)	EPO; JPO; DERWENT	ADJ	ON	2007/04/16 11:37
S52	229	bearing and (chromium or Cr) with (nickel or Ni) with (molybdenum or Mo) with (cobalt or Co)	EPO; JPO; DERWENT	ADJ	ON	2007/04/16 13:13
S53	245	bearing and (chromium or Cr) with (nickel or Ni) with (molybdenum or Mo) with (cobalt or Co) or MP35N	EPO; JPO; DERWENT	ADJ	ON	2007/04/16 13:14
S54	0	bearing and MP35N	EPO; JPO; DERWENT	ADJ	ON	2007/04/16 13:14